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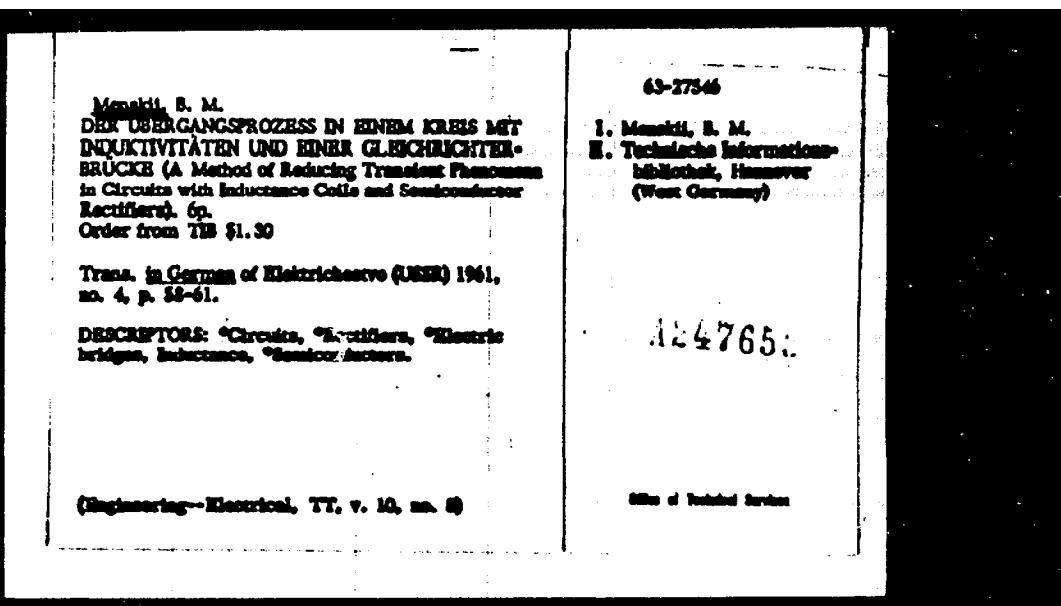
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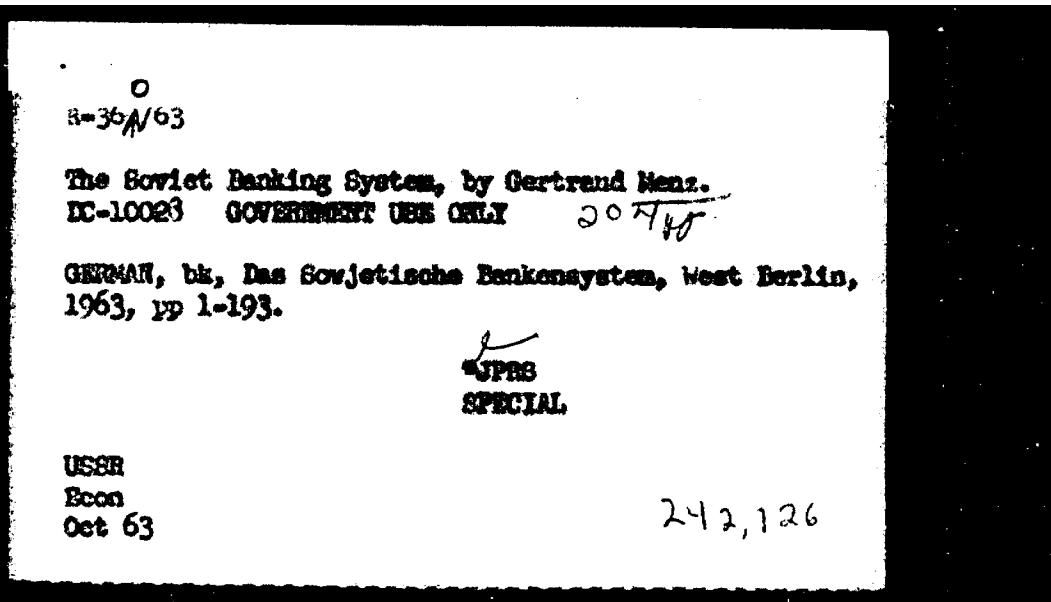
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Addition compounds of aluminum halides and aliphatic ethers are split by heat into aluminum oxyhalides and alkyl halides. The Al-oxyhalides are very hygroscopic and cannot be sublimed or dried. They are insol. in benzene and hydrocarbons but sol. in nitrobenzene and acetone (clear, colored solns.). They are decomposed by water and alcohol, ethyl alcohol forming aluminum chloro-diethylate. Al-oxy-chloride forms with 2 mols NH₃ a crystalline double compd., AlONH₂·NH₄Cl. The oxyamide is unstable and gives off NH₃. (Author)
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